

VIIRS – Telecon Ocean Color CAL Val

Stennis
Nov 21, 2013

Outline

Cal val Activities

- Gulf of Mexico**

Aeronet time Series

Analyses

Fisheries Cruise Matchup

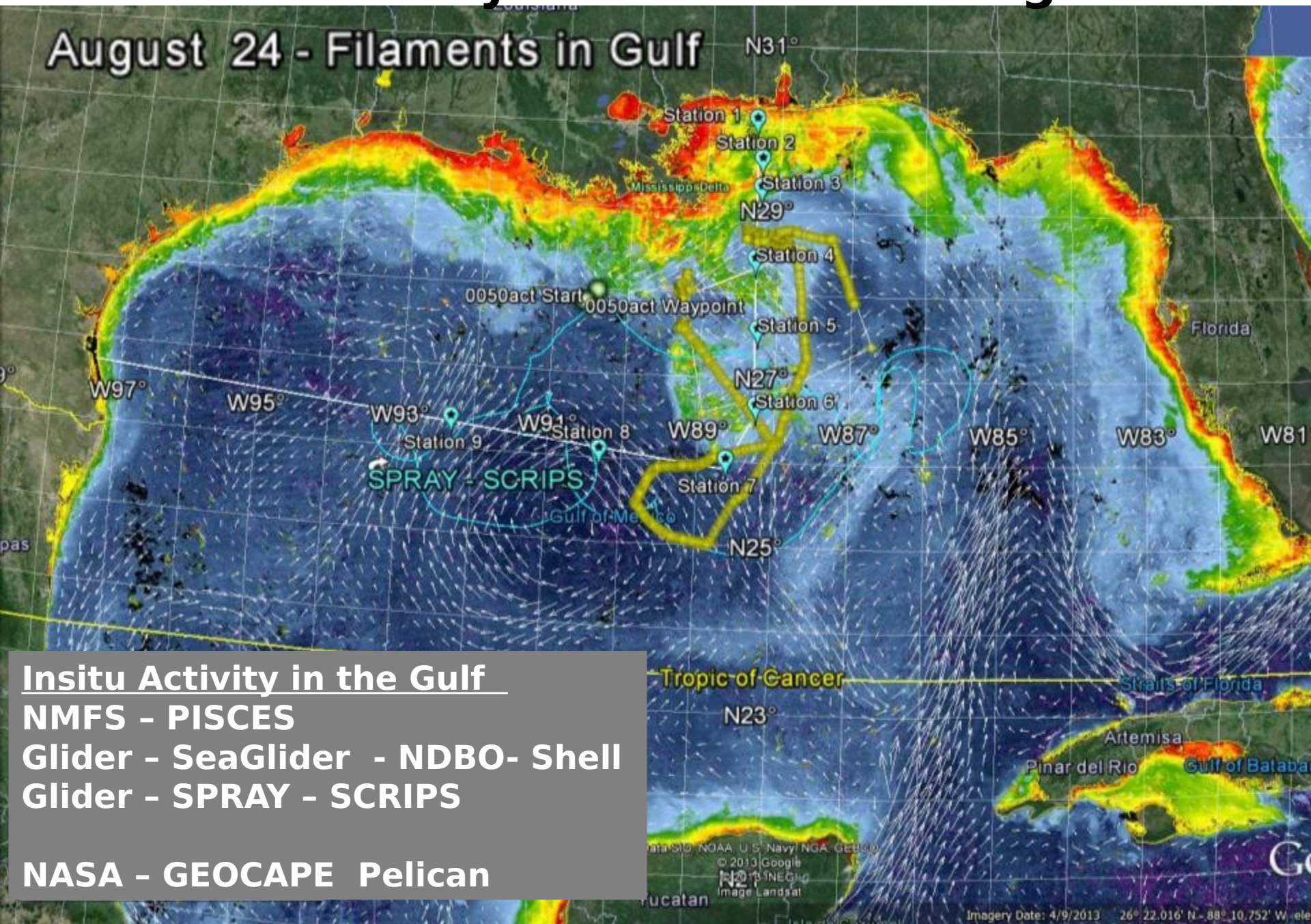
GeoCape Matchup

Chesapeaks

Plans and Summary

Recent Activity Ocean Monitoring the Gulf

August 24 - Filaments in Gulf



In situ Activity in the Gulf

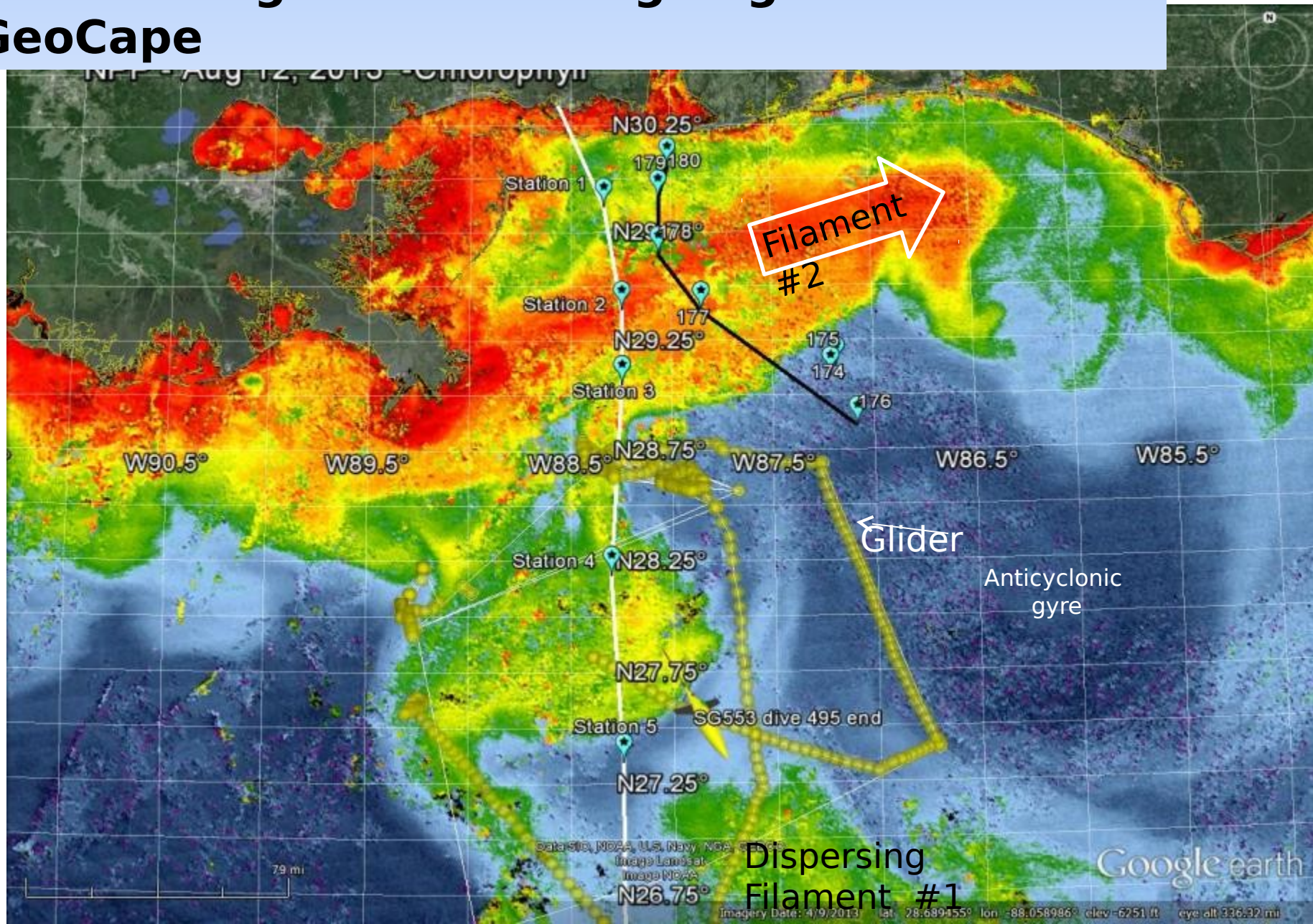
NMFS - PISCES

Glider - SeaGlider - NDBO- Shell

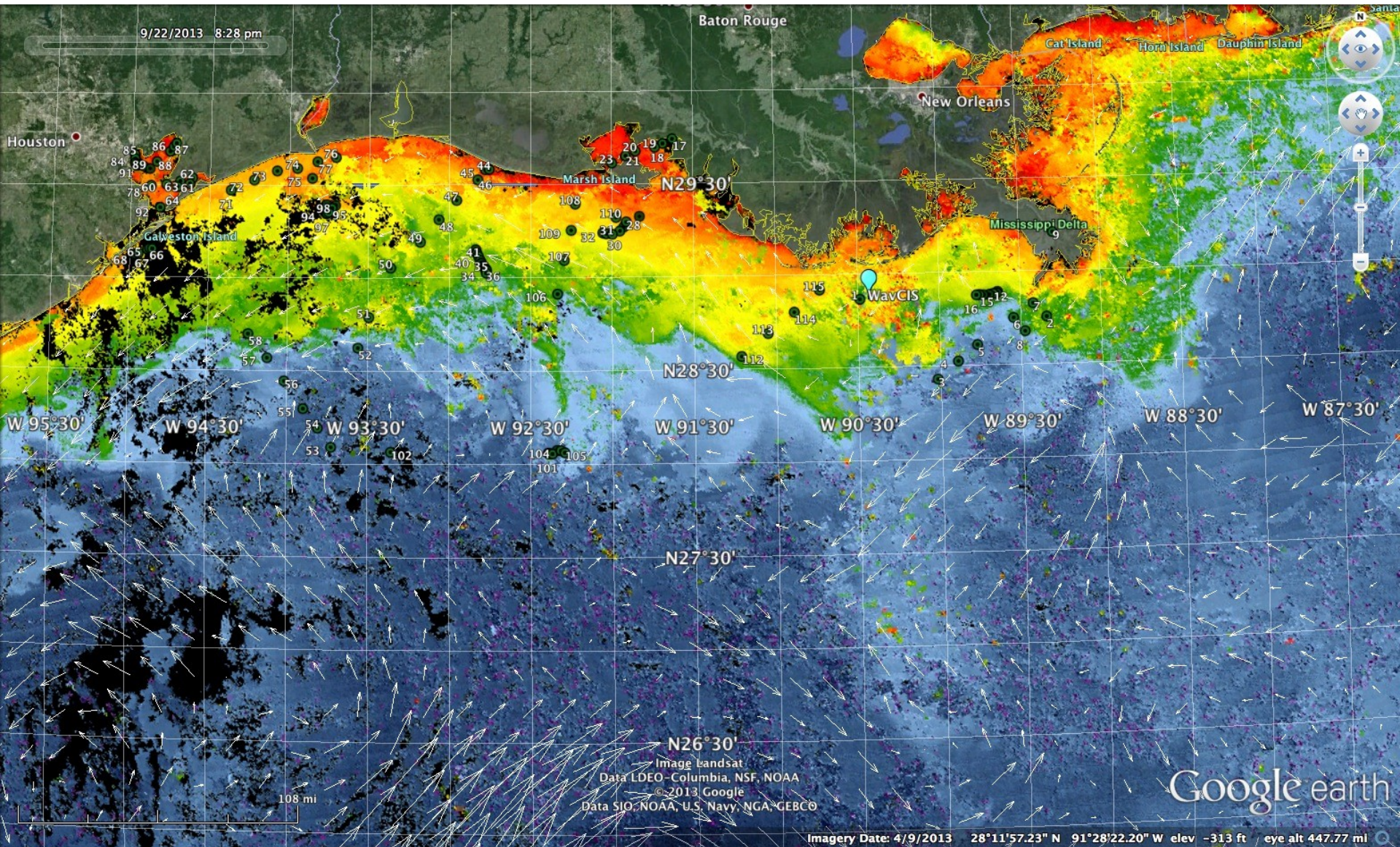
Glider - SPRAY - SCRIPS

NASA - GEOCAPE Pelican

Gulf of Mexico - Activity During and Post Ongoing with GeoCape

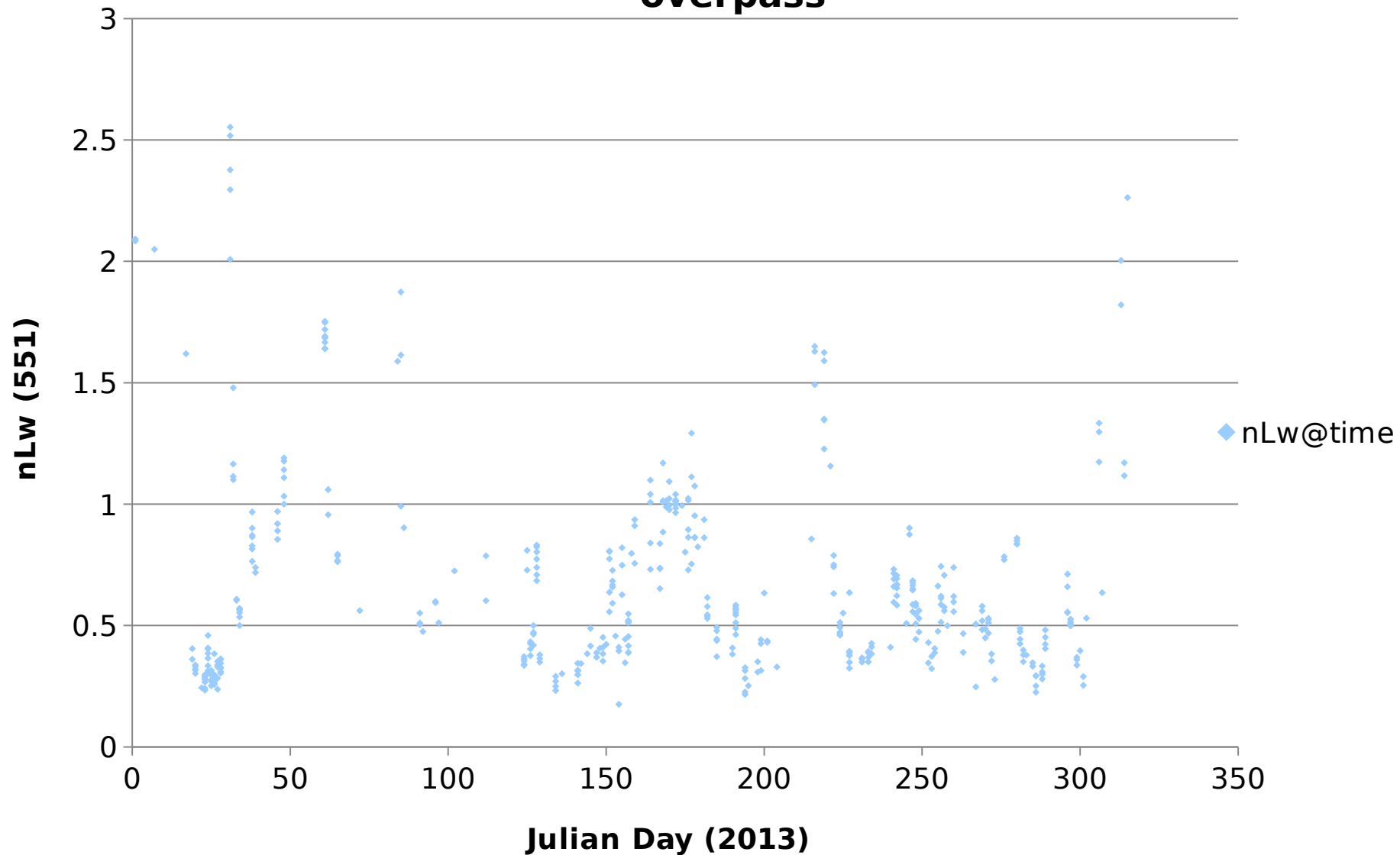


GeoCape Animation Sept 9 - 22, 2013 - Stations NPP - Chlorophyll



Aeronet Time Series Analyses

WaveCIS nLw, all data from ± 180 min of overpass



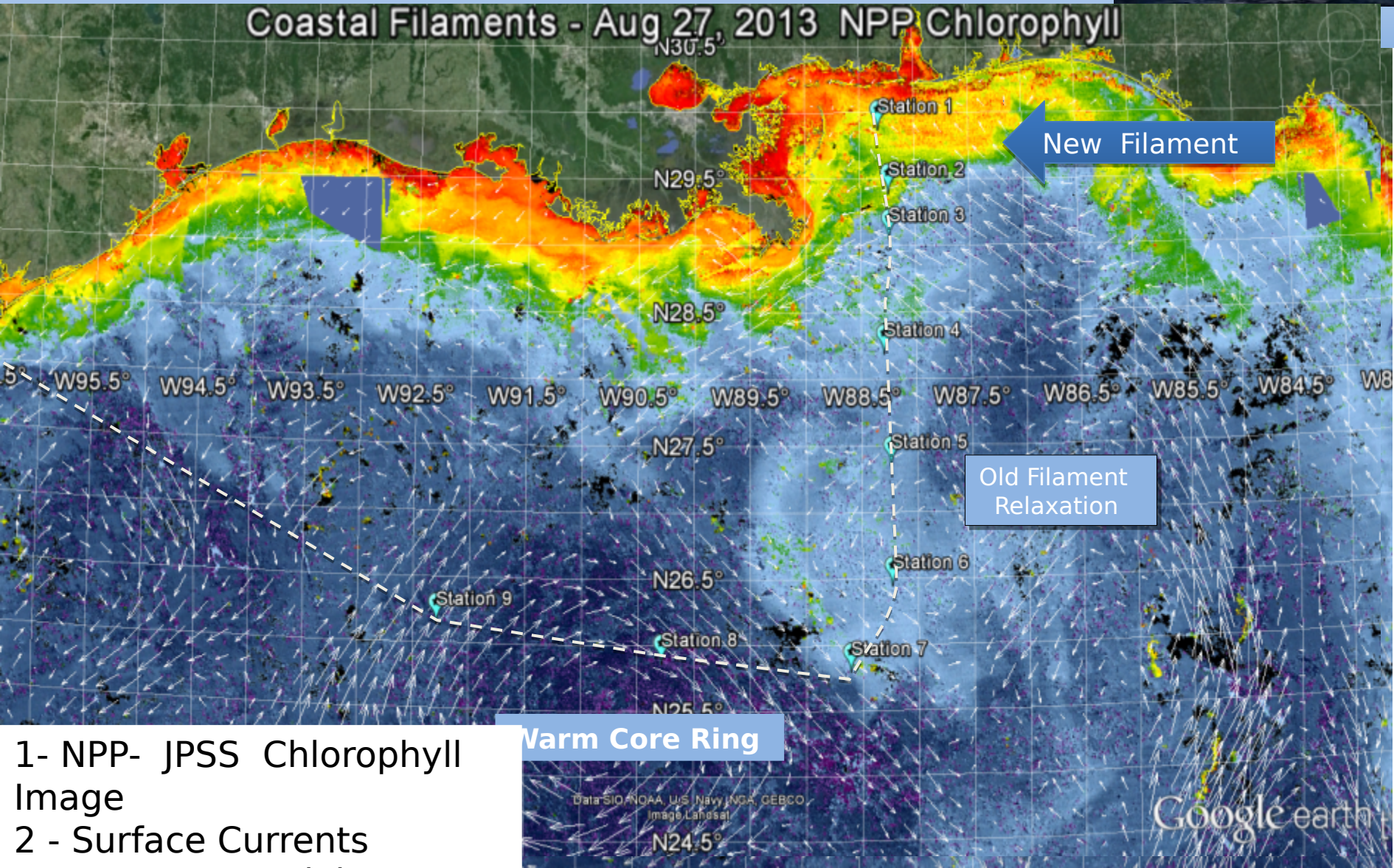
AAOT Time Series Analyses

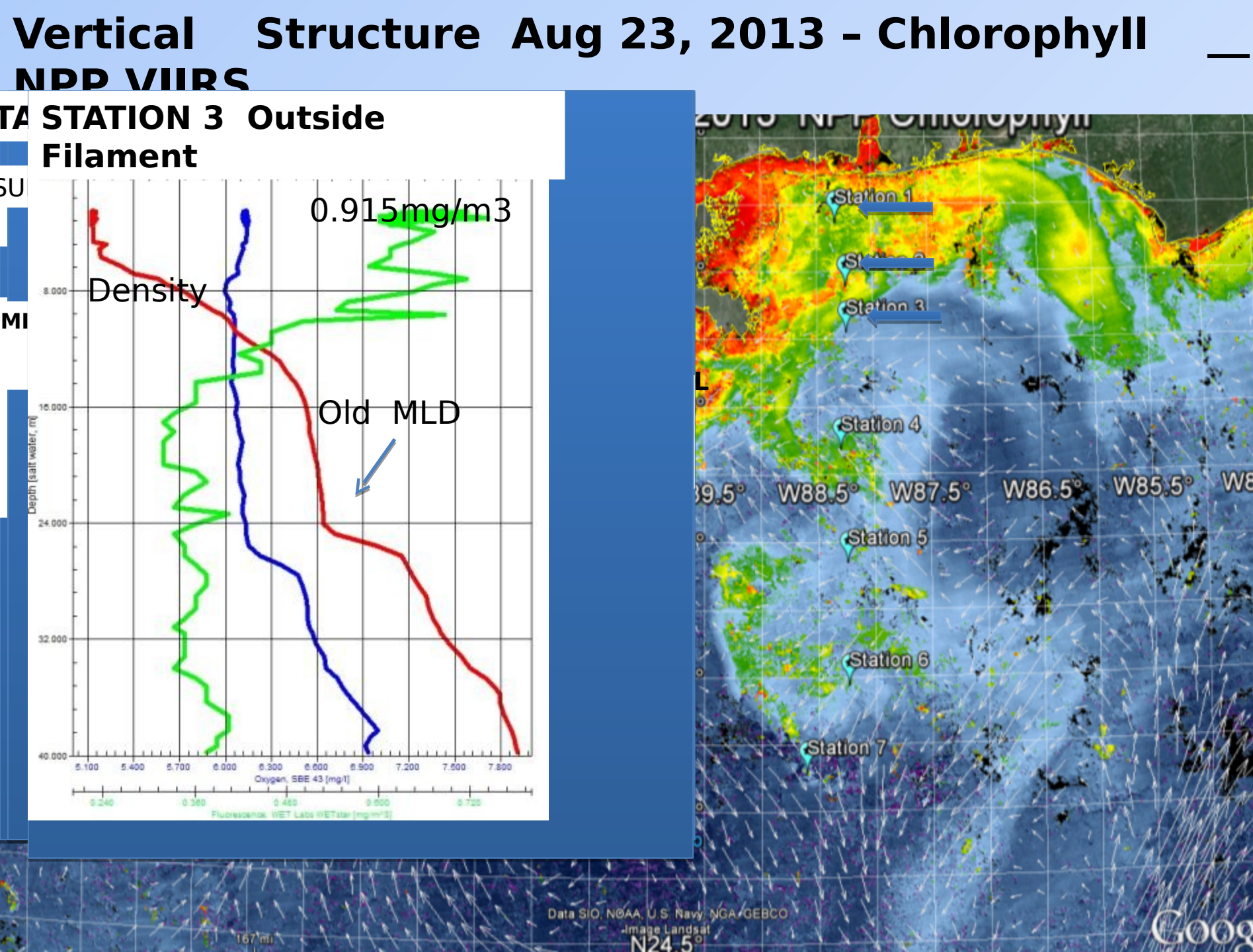
Spectral

PISCES Cruise Track Pascagoula to Browns

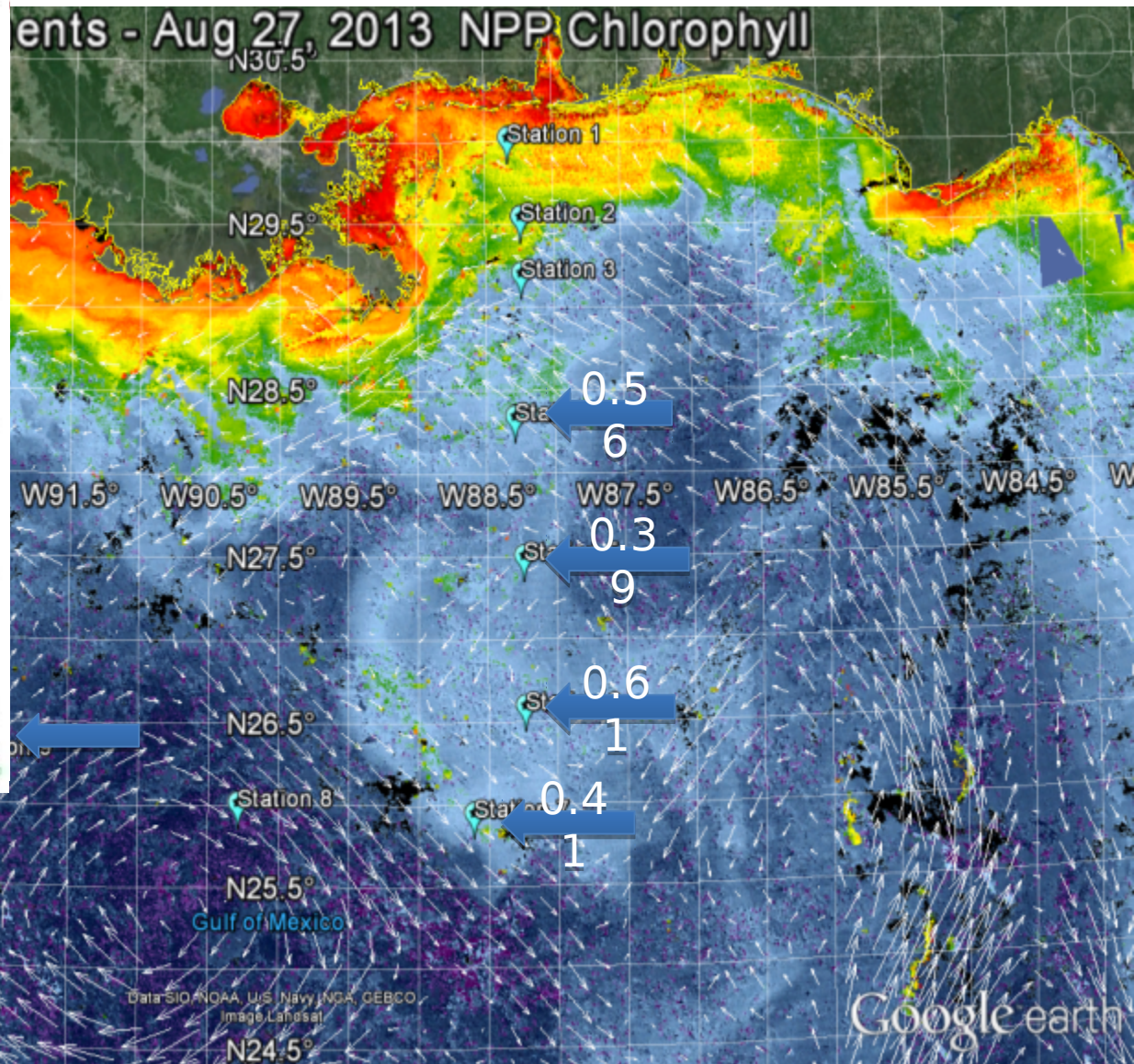
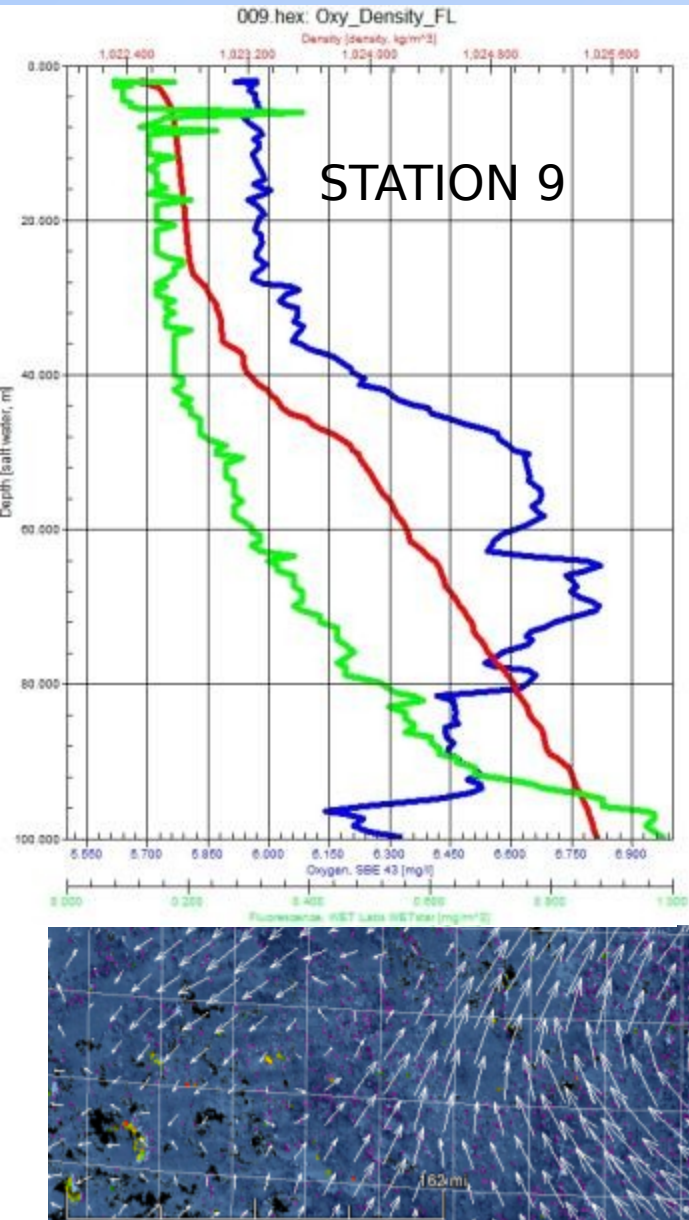
STATION LOCATIONS Aug 22 - 25

"NMFS - Glenn Zapfe"



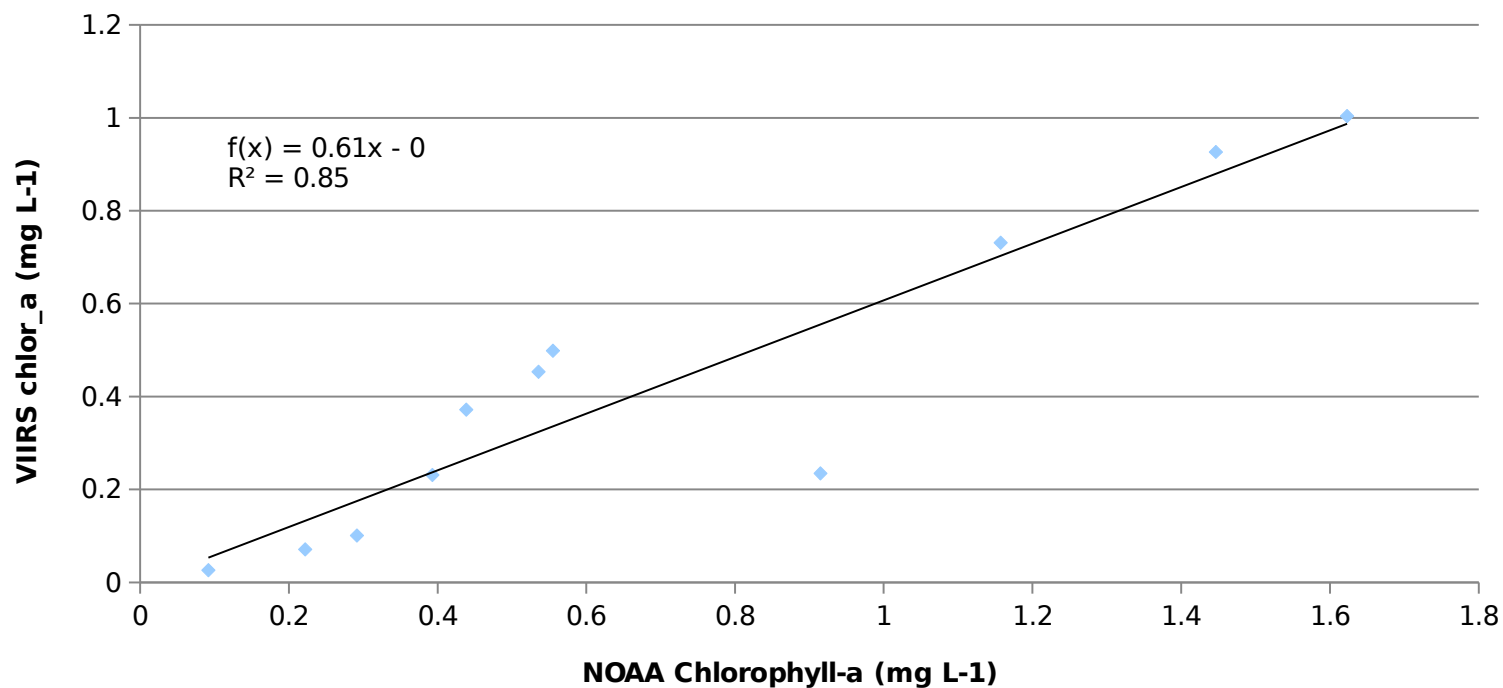


Vertical Structure Aug 24, 2013 - Chlorophyll NPP VIIRS

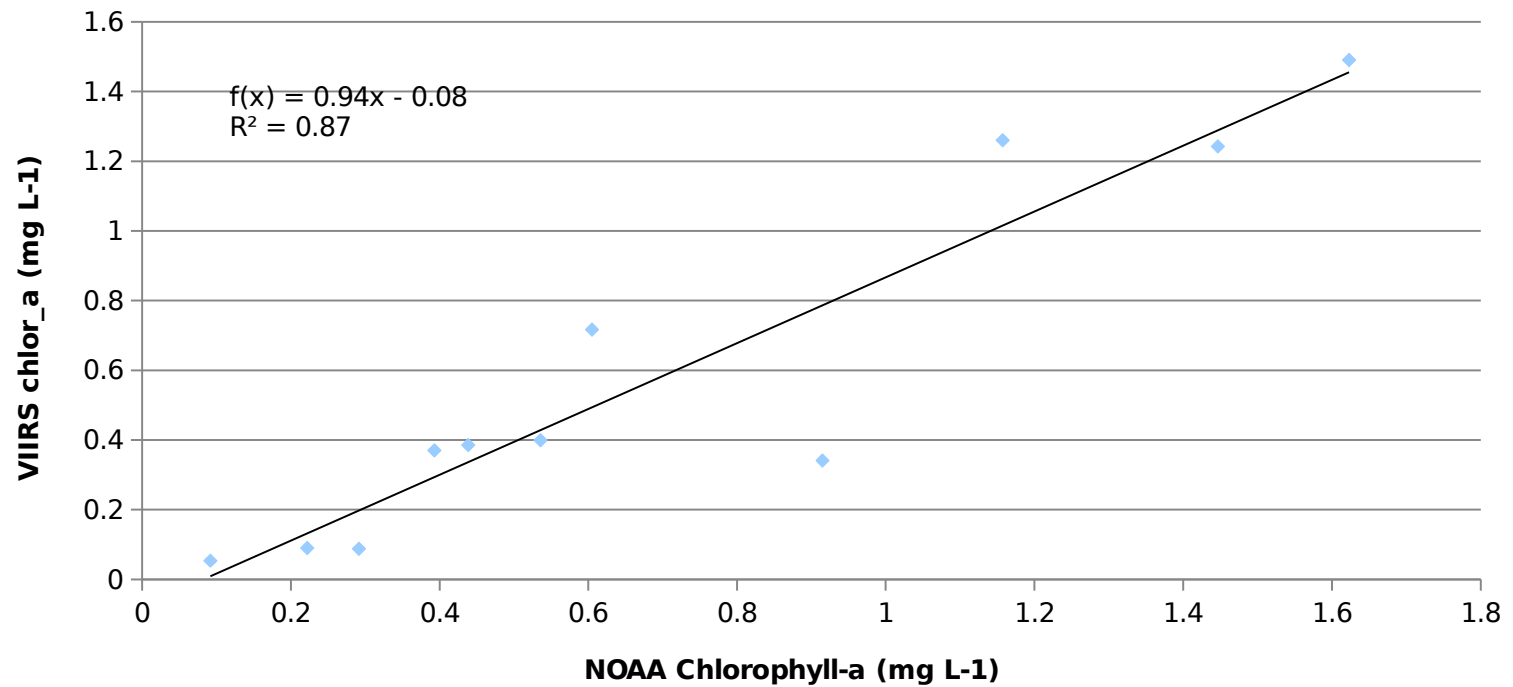


Note the Deepening of the Chlorophyll max and the “spread”

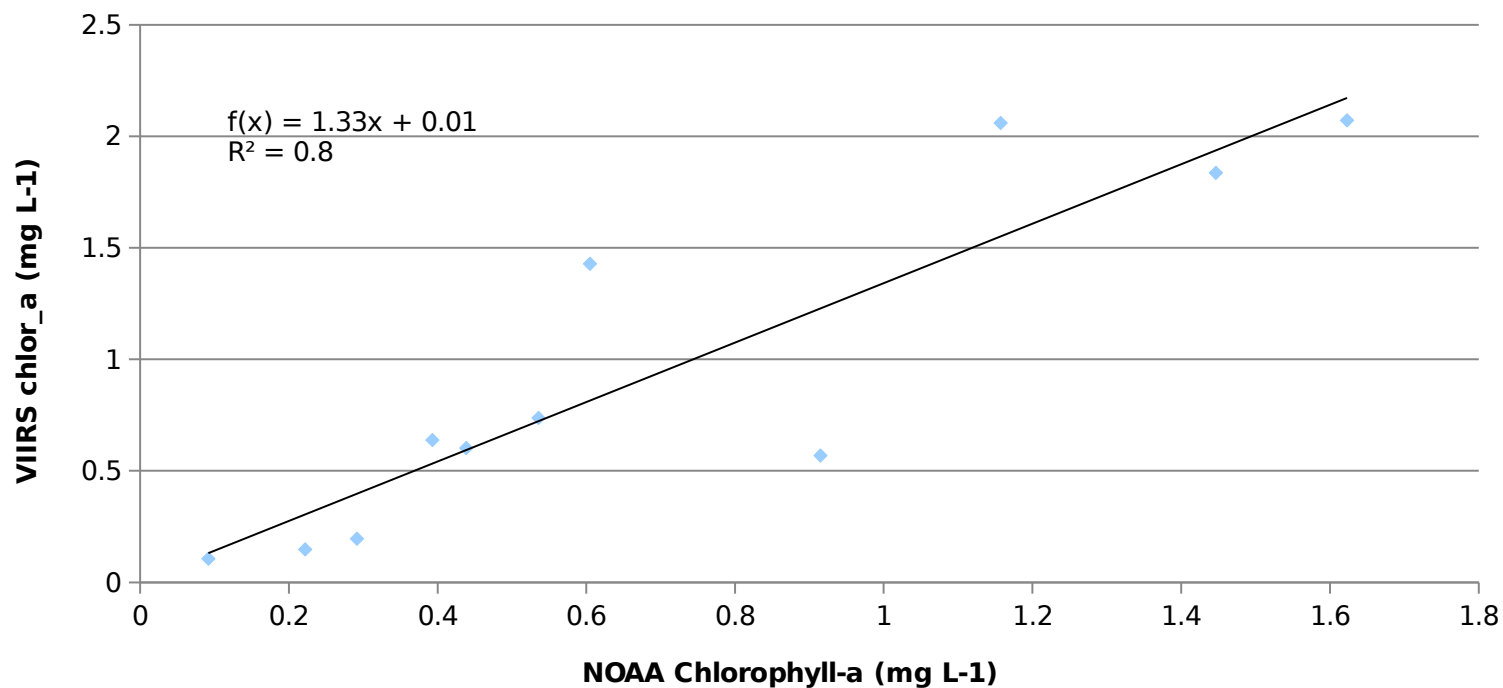
NOAA_Pisces (08/21 - 08/23 , 09/27) VIIRS matchup, IDPS



NOAA_Pisces (08/21 - 08/23, 09/27) VIIRS matchup, APS



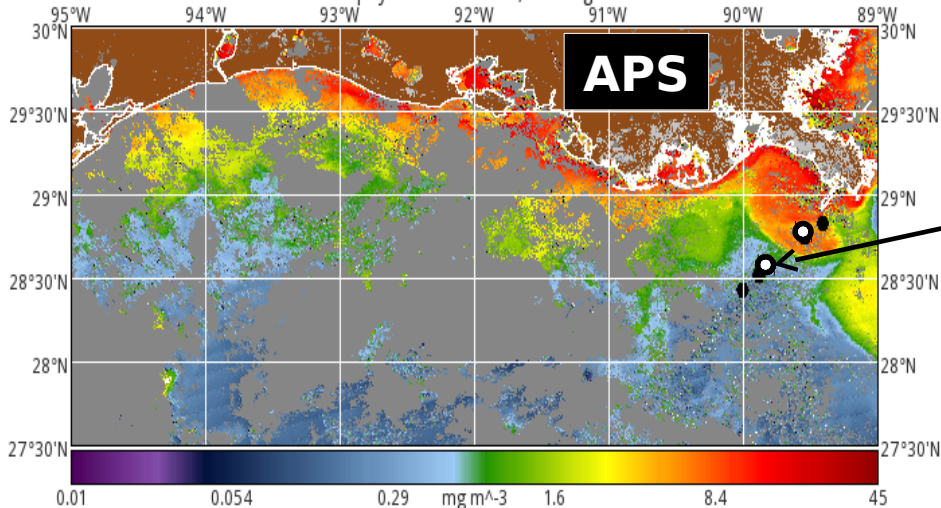
NOAA_Pisces (08/21 - 08/23, 09/27) VIIRS matchup, APS Green gains



GEOCAPE Matchups - September 09, 2013

VIIRS_GeoCape_Mosaic_2013253_0910_18.hdf Tue Sep 10 18:45:49 2013

Chlorophyll Concentration, OCI Algorithm



APS

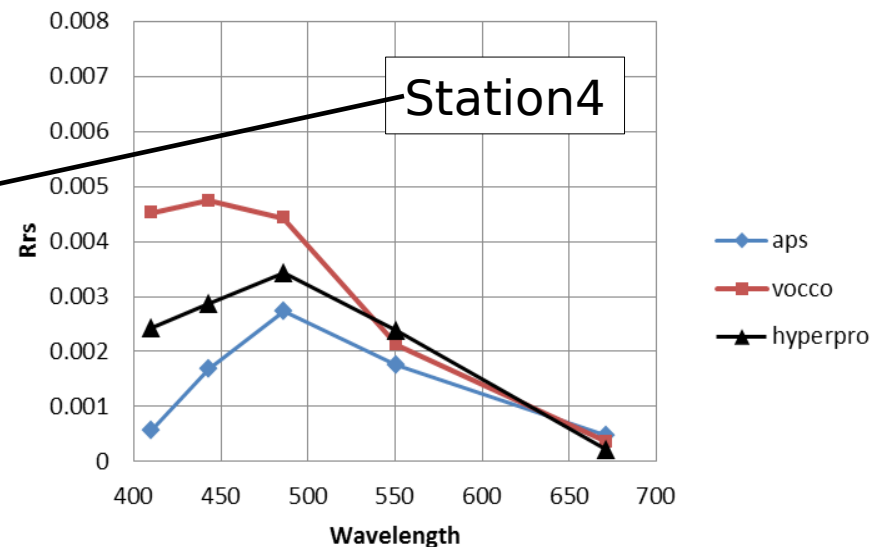
CLDICE LAND ATMFAIL HILT

chlor_a (provisional)
Gulf of Mexico (VIIRS-npp)
Version 2 (APS v5.0.2)

Code 7330/Ocean Sciences
Naval Research Laboratory
Stennis Space Center, MS

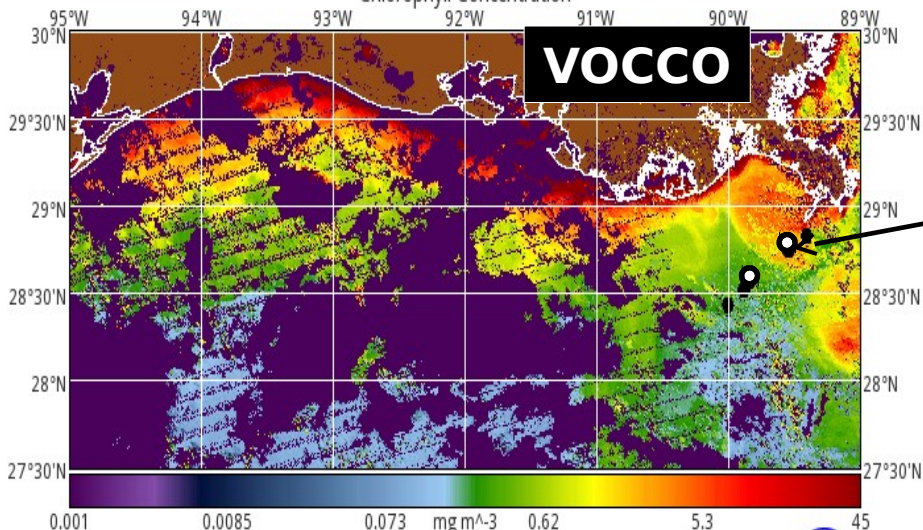


GEOCAPE Cruise 9/10/13 - 1745/1900 GMT



VOCCO_GeoCape_Mosaic_2013253_0910_1845.hdf

Chlorophyll Concentration



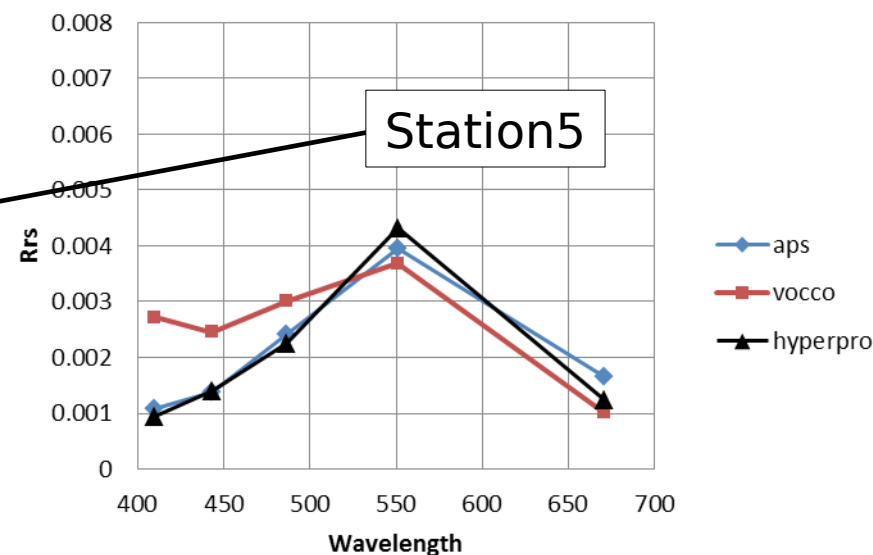
VOCCO

All_Data/VIIRS-OCC-EDR_All/Chlorophyll_a
Gulf of Mexico (vocco-npp)
Version 11.5.07.02

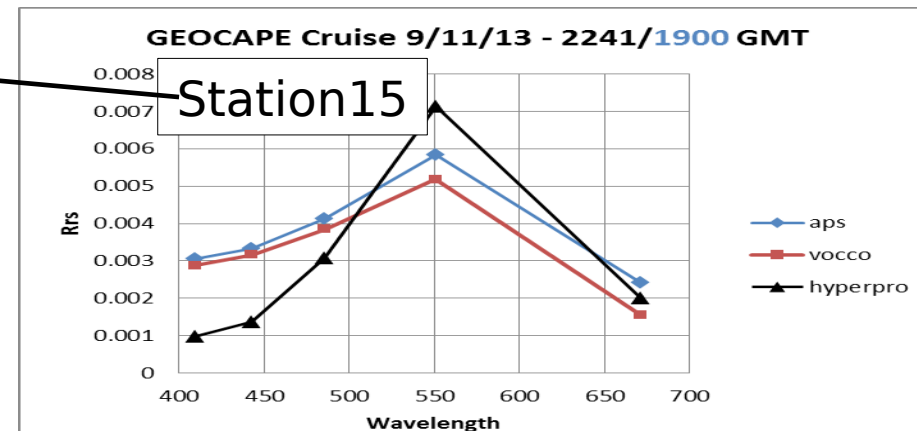
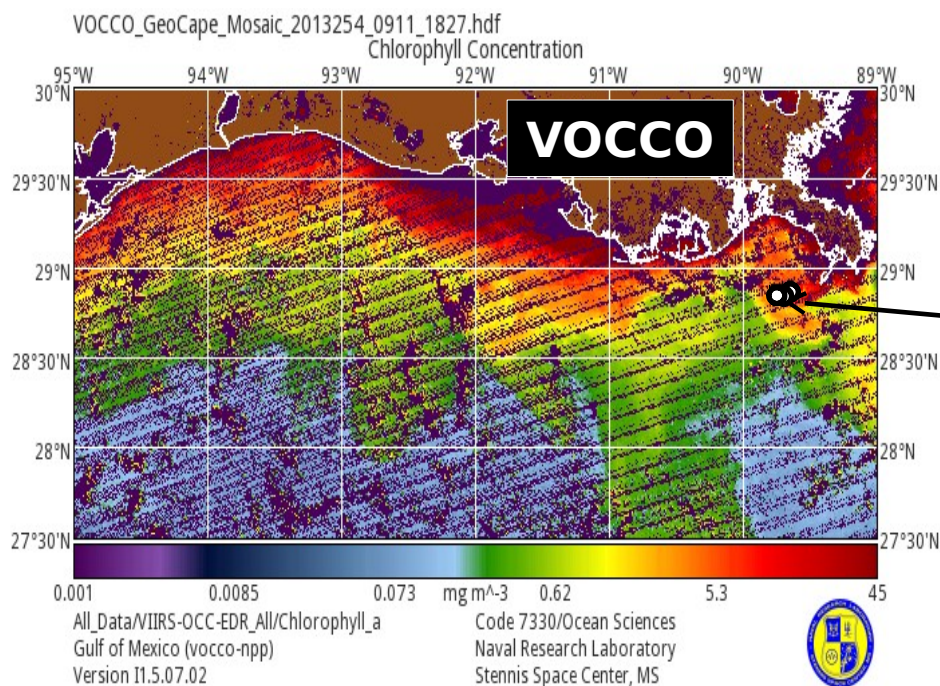
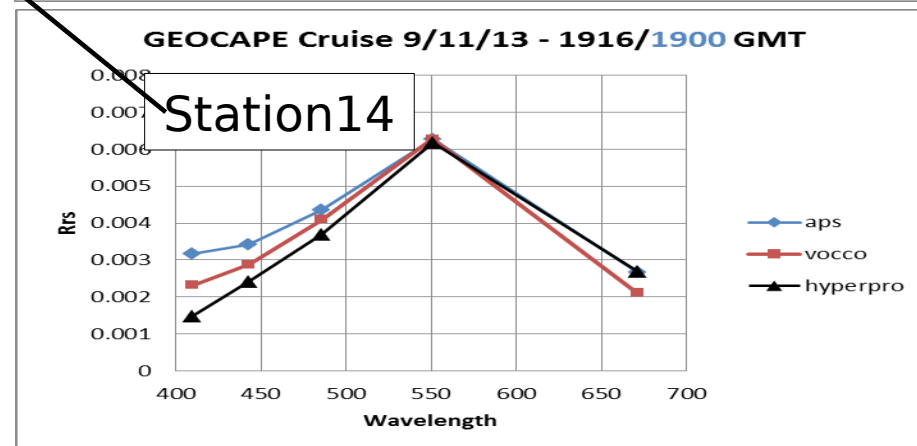
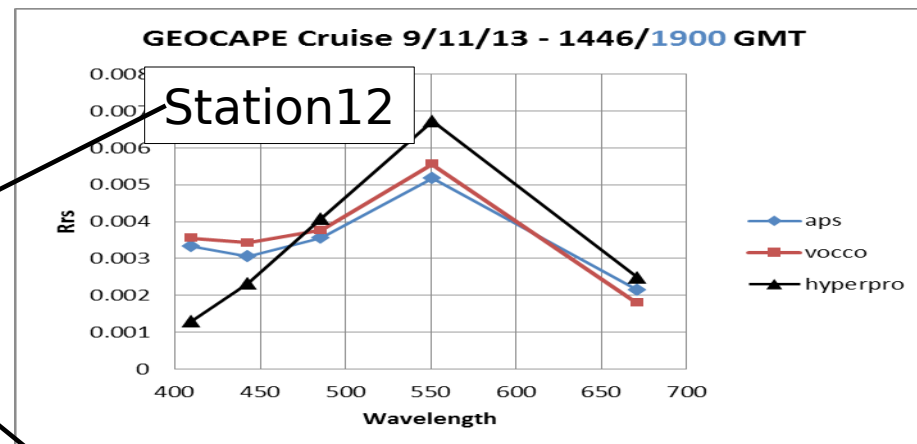
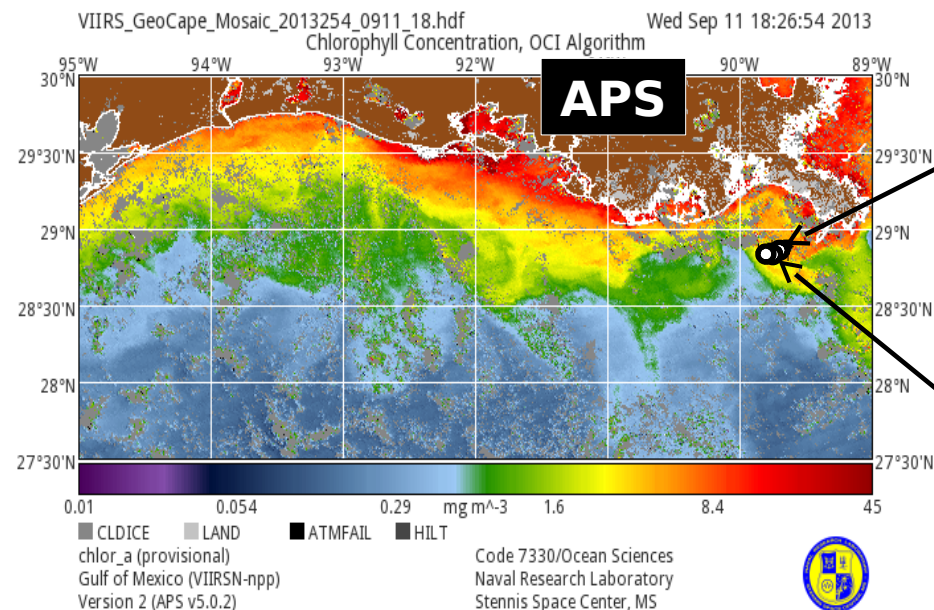
Code 7330/Ocean Sciences
Naval Research Laboratory
Stennis Space Center, MS



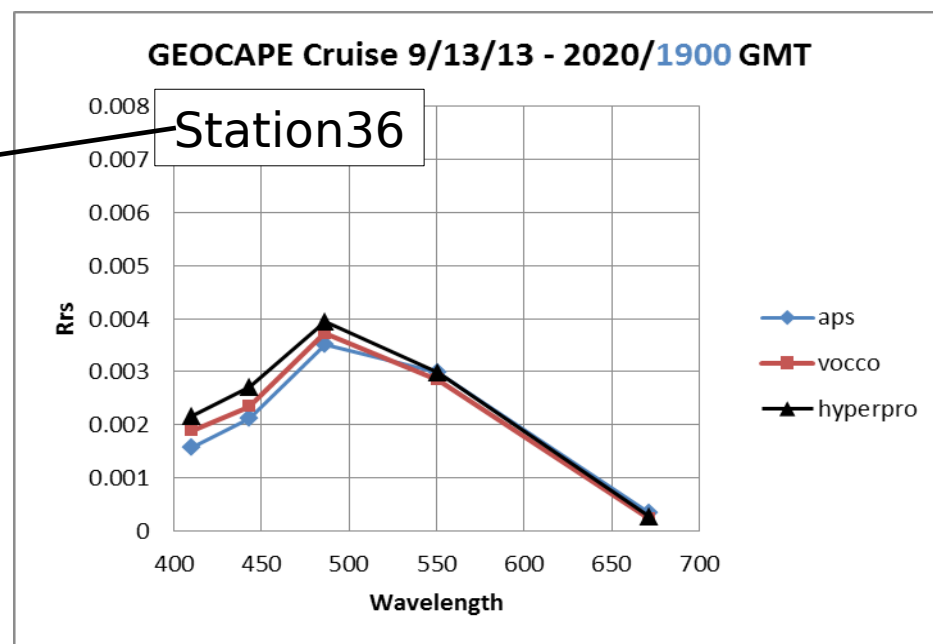
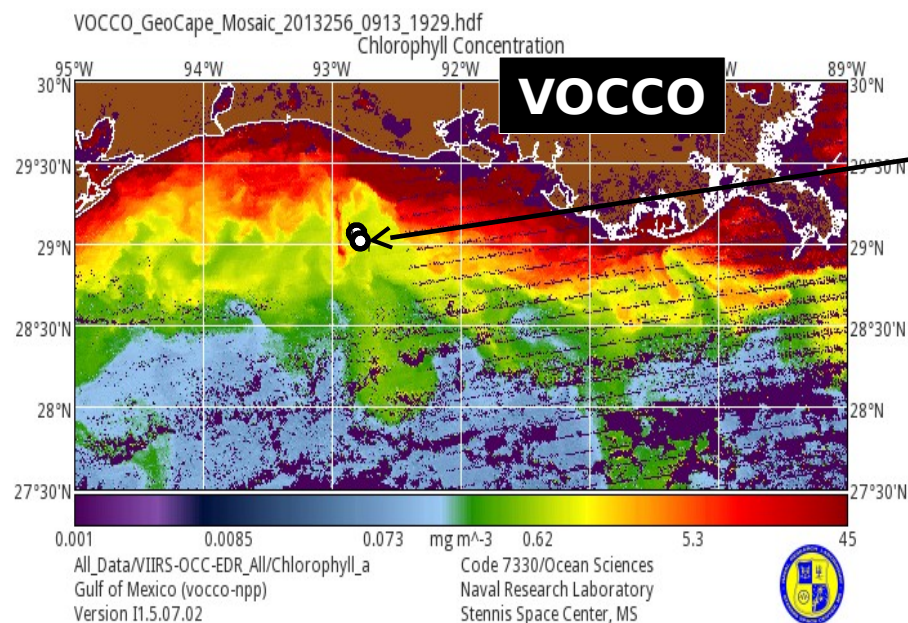
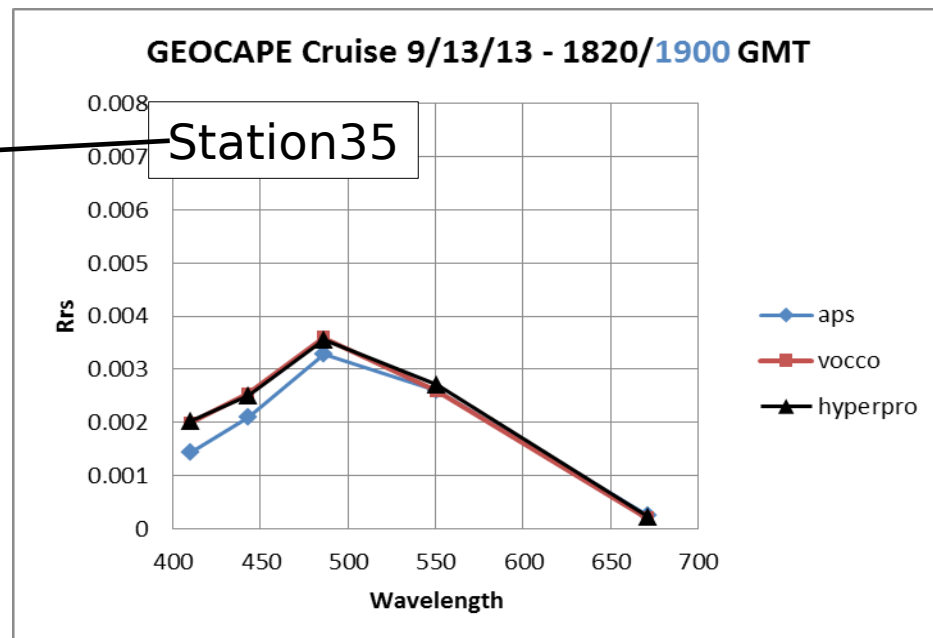
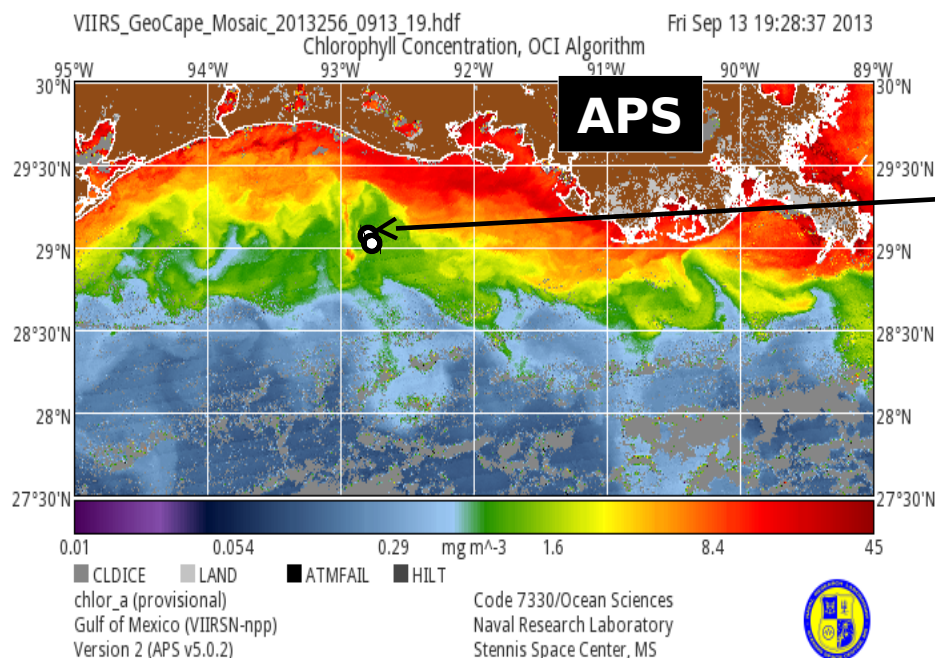
GEOCAPE Cruise 9/10/13 - 2047/1900 GMT



GEOCAPE Matchups - September 11, 2013



GEOCAPE Matchups - September 13, 2013

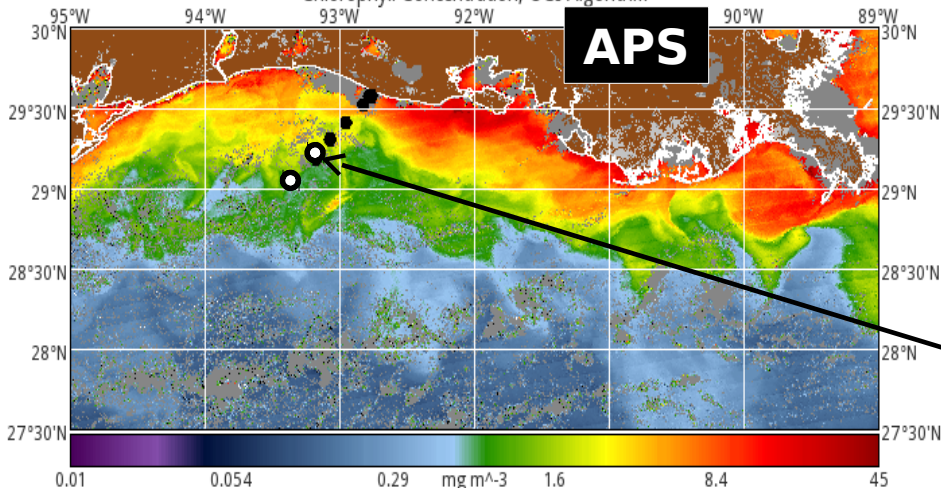


GEOCAPE Matchups - September 14, 2013

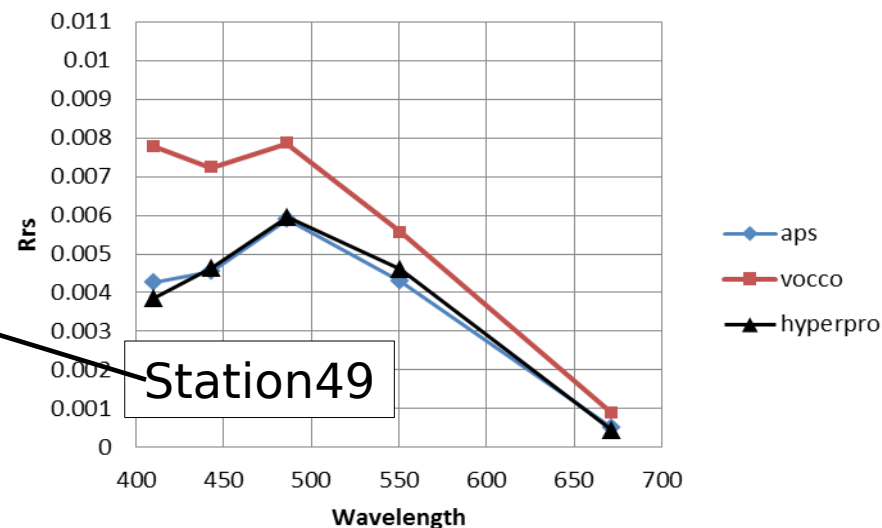
VIIRS_GeoCape_Mosaic_2013257_0914_19.hdf Sat Sep 14 19:11:07 2013

Chlorophyll Concentration, OCI Algorithm

APS



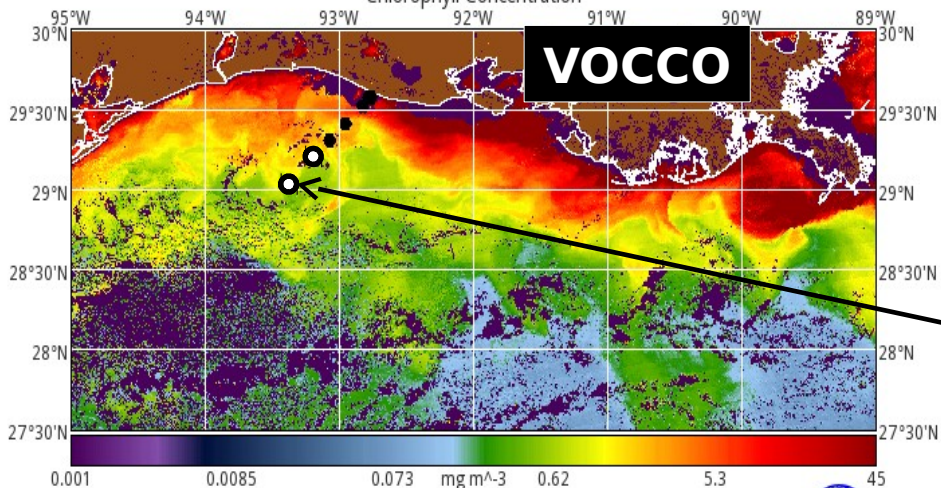
GEOCAPE Cruise 9/14/13 - 2031/1900 GMT



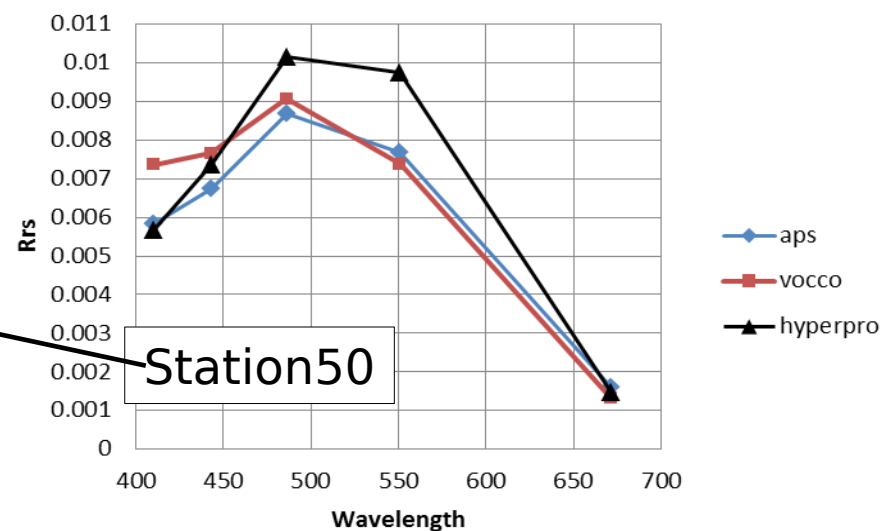
VOCCO_GeoCape_Mosaic_2013257_0914_1911.hdf

Chlorophyll Concentration

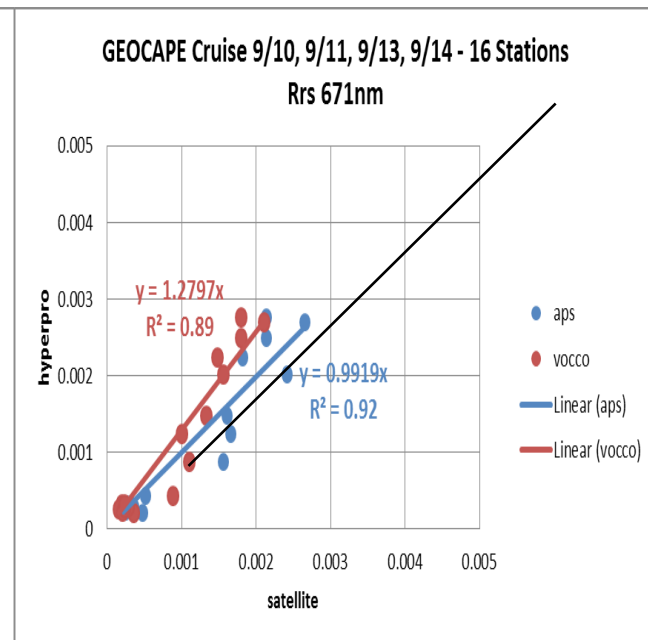
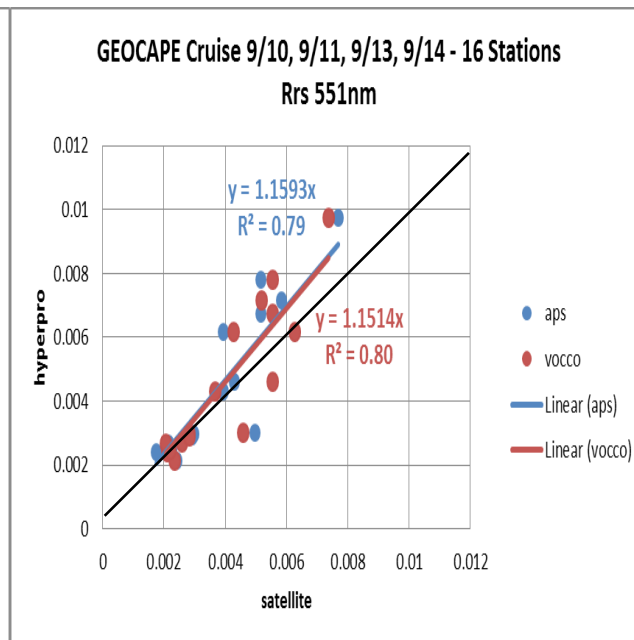
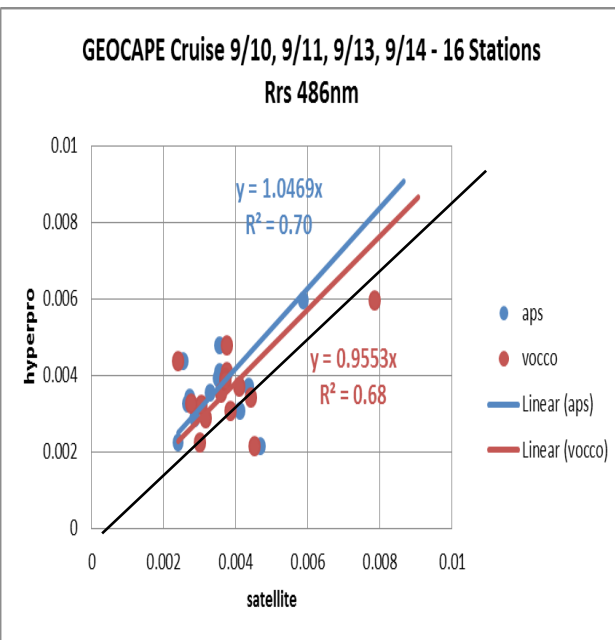
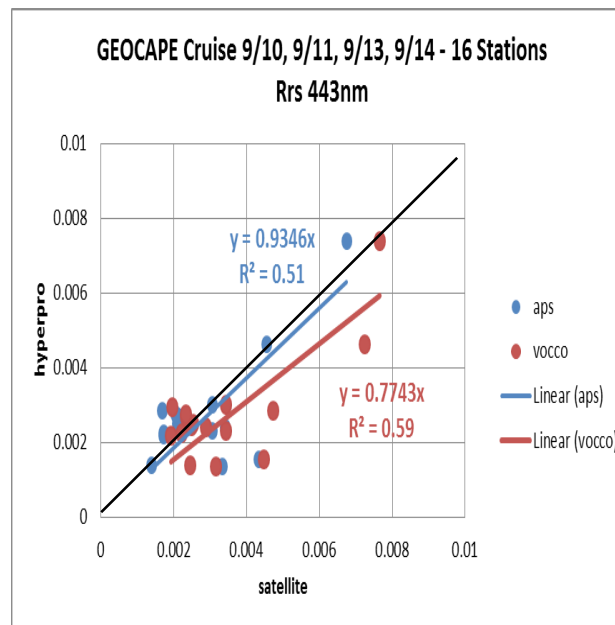
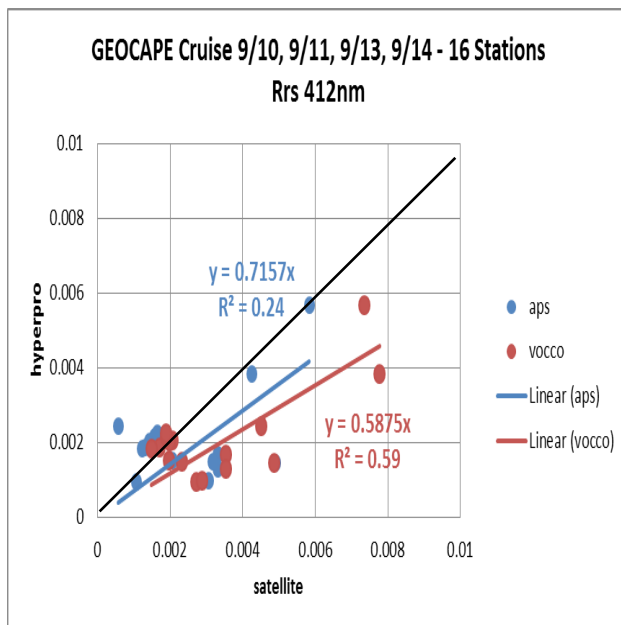
VOCCO



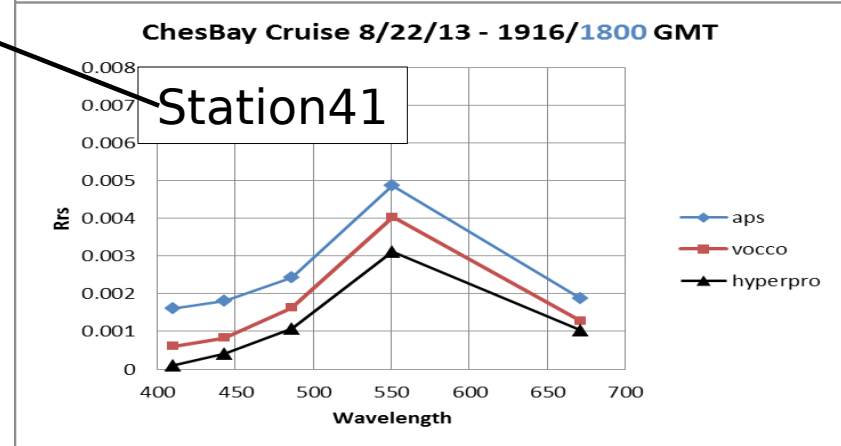
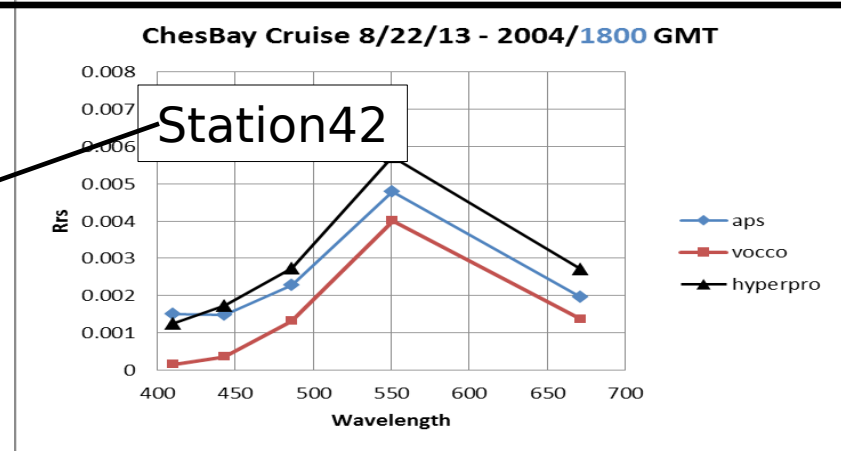
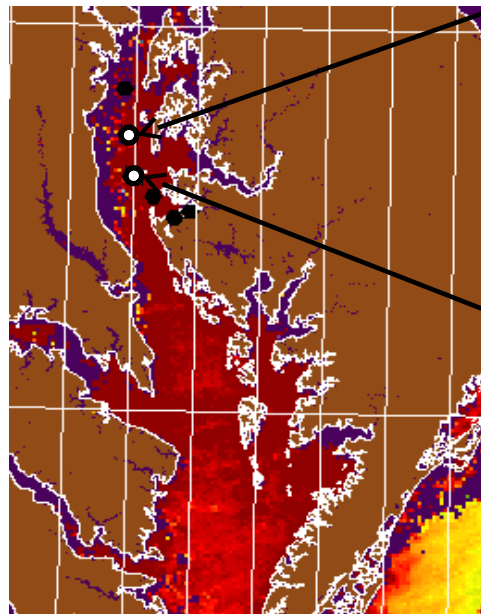
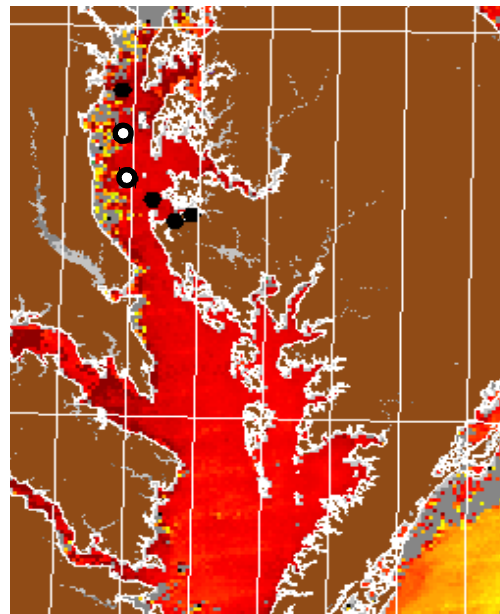
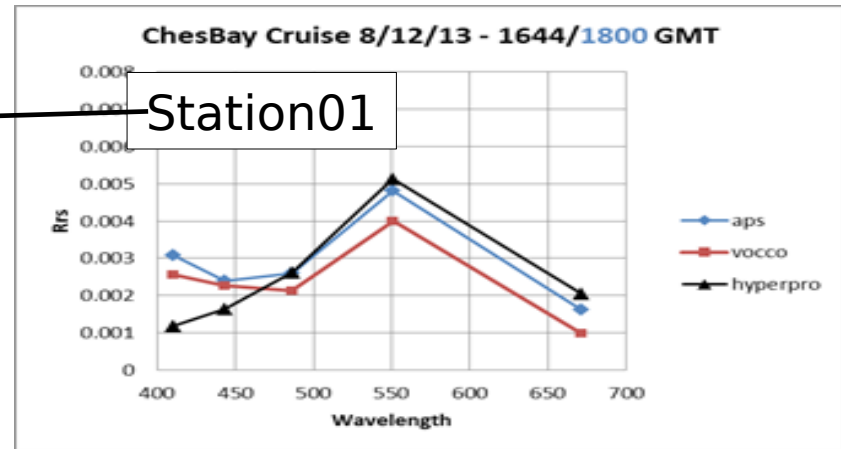
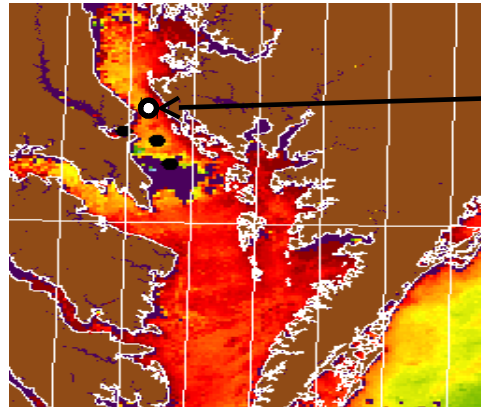
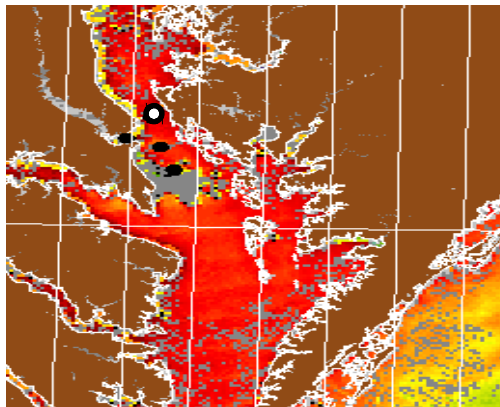
GEOCAPE Cruise 9/14/13 - 2268/1900 GMT

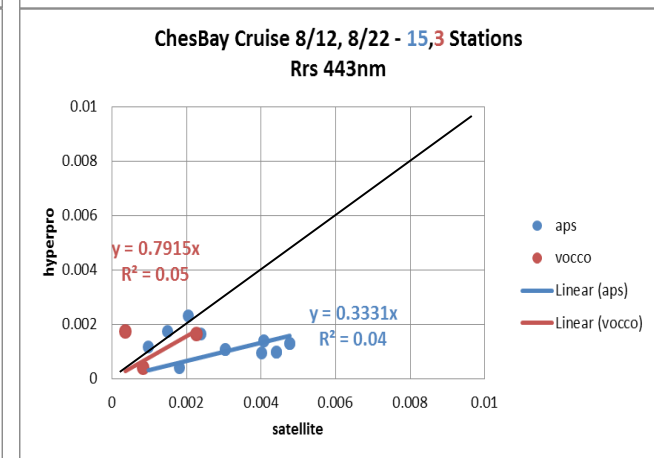
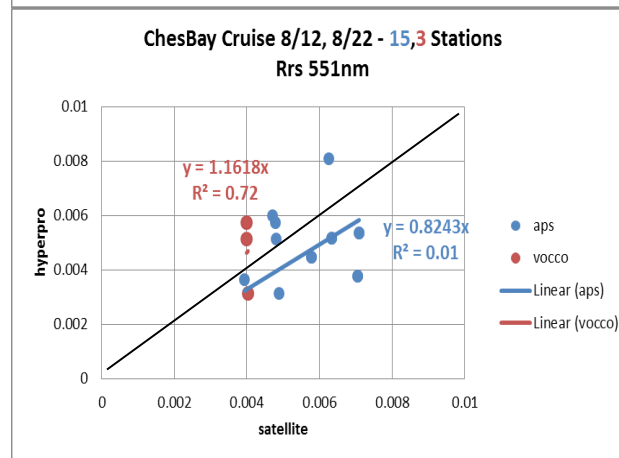
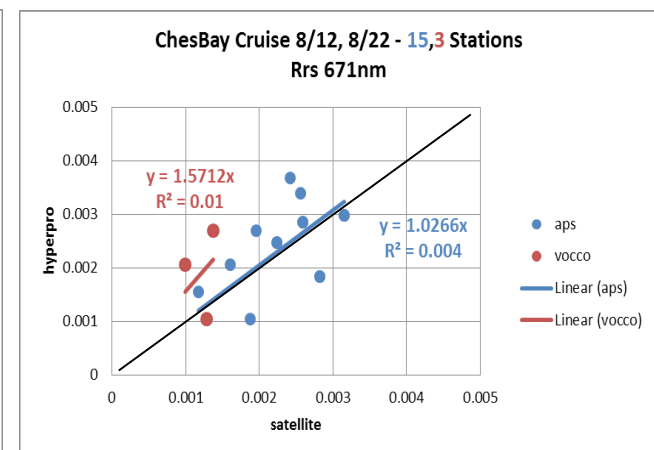
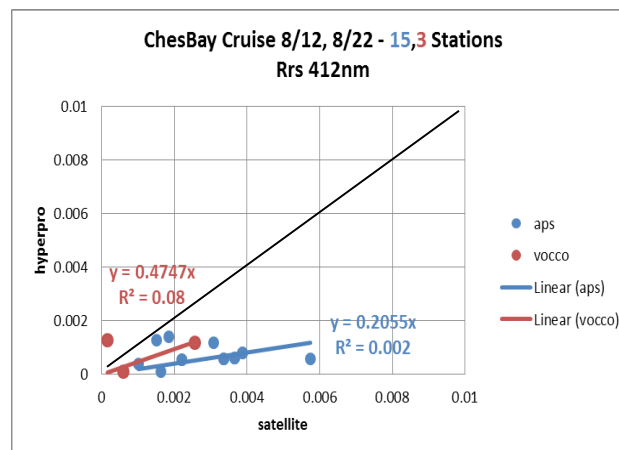
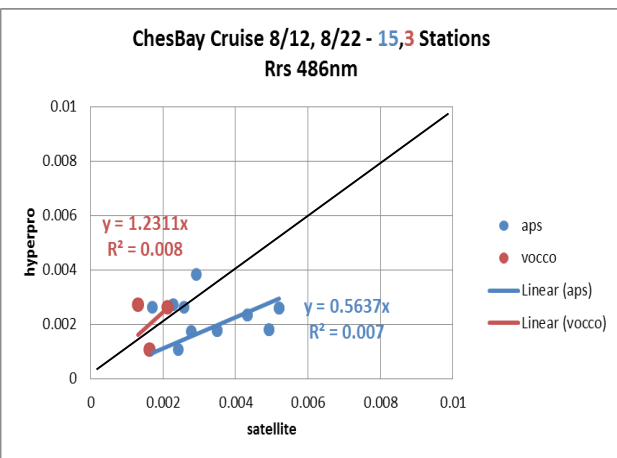


GEOCAPE Statistics - September 09, 11, 13, 14, 2013



Chesapeake Bay Matchups - August 2013





Summary

- Glider 3 month matchup Planned for backscattering and Fluorescence
- Aeronet exploring Coastal adjustments
 - Spectral Vicarious Gain Adjustments